

# PATENT ABSTRACTS OF JAPAN

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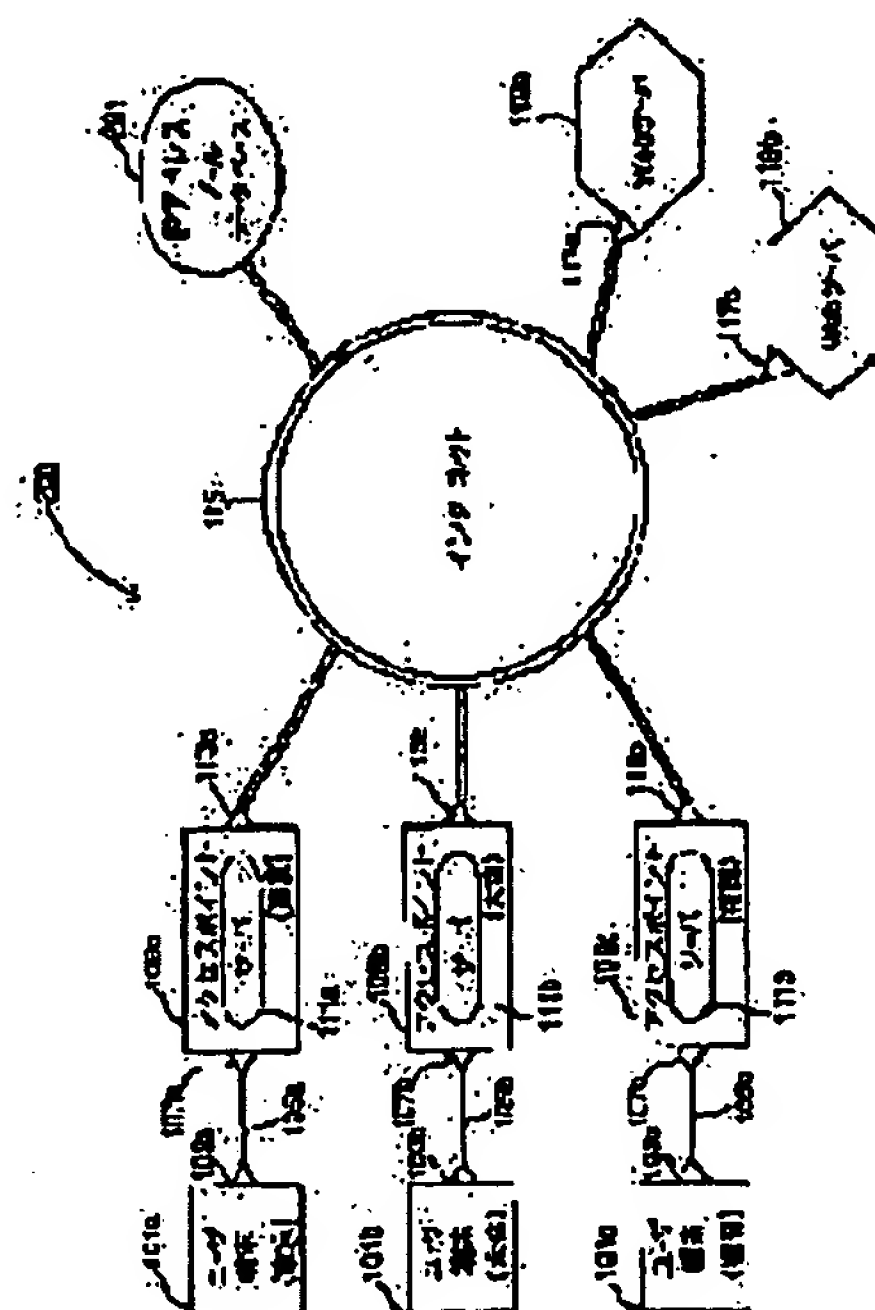
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## (54) WEB PAGE READING METHOD AND DEVICE USING THE SAME

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a method and a device for reading page with which even the same URL can transmit different Web data for each transmission area of a user.

**SOLUTION:** When a user in Tokyo performs a dial-up connection to an access point 109a while using a user terminal 101a and wants to read the desired Web page later, the user requests the transmission of the desired Web data through the access point 109a and internet 115 to a Web server 119 in the domain described in the URL information while using the above URL and IP address allocated to the user terminal 101a. When the file of the Web data contains a program to transmit data different for each area, while using the IP address and an IP address pool data base 201, the Web server 119a discriminates the area of the user terminal 101a and transmits the Web data corresponding to that area to the user terminal 101a.



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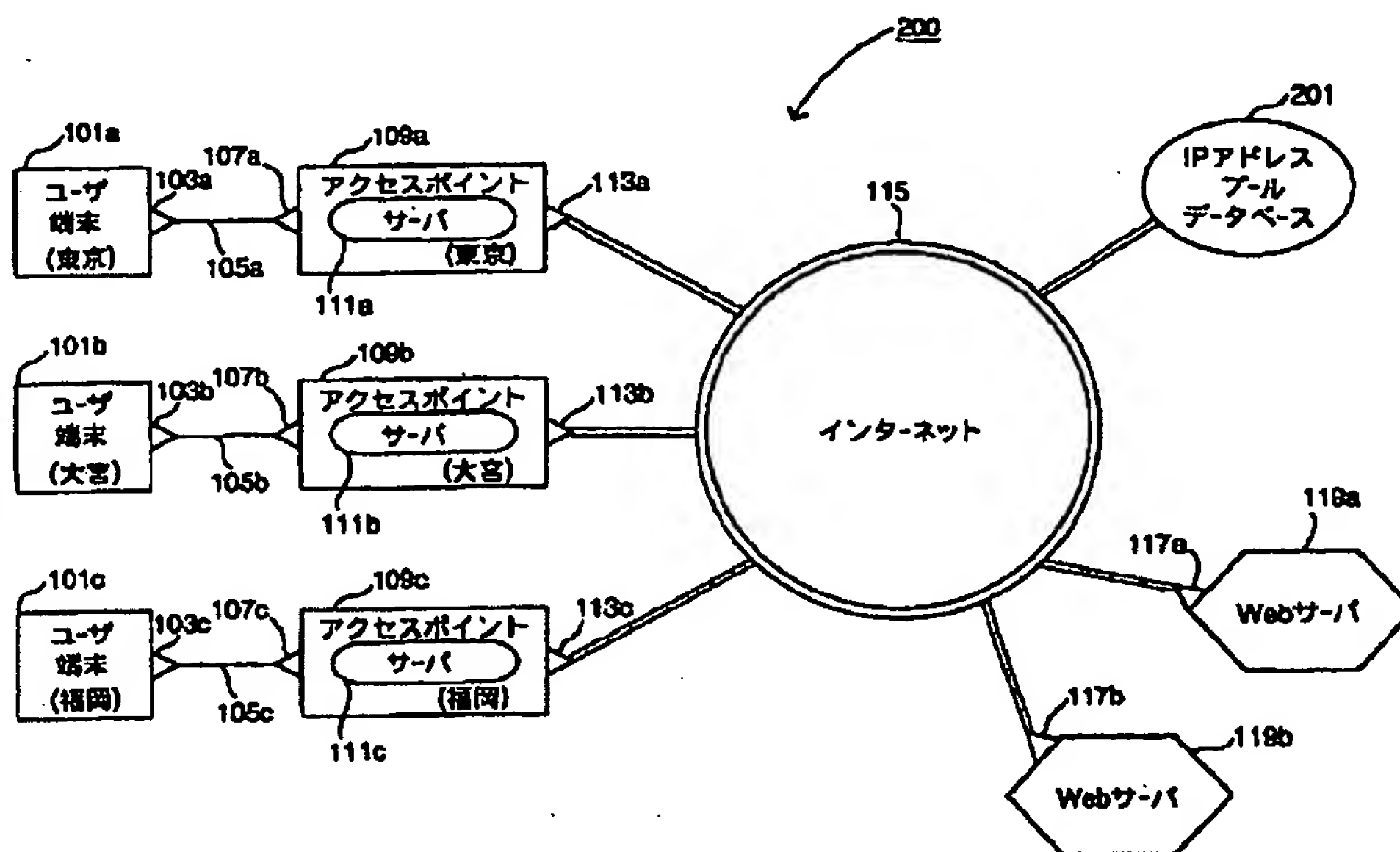
[Patent number] 3254422

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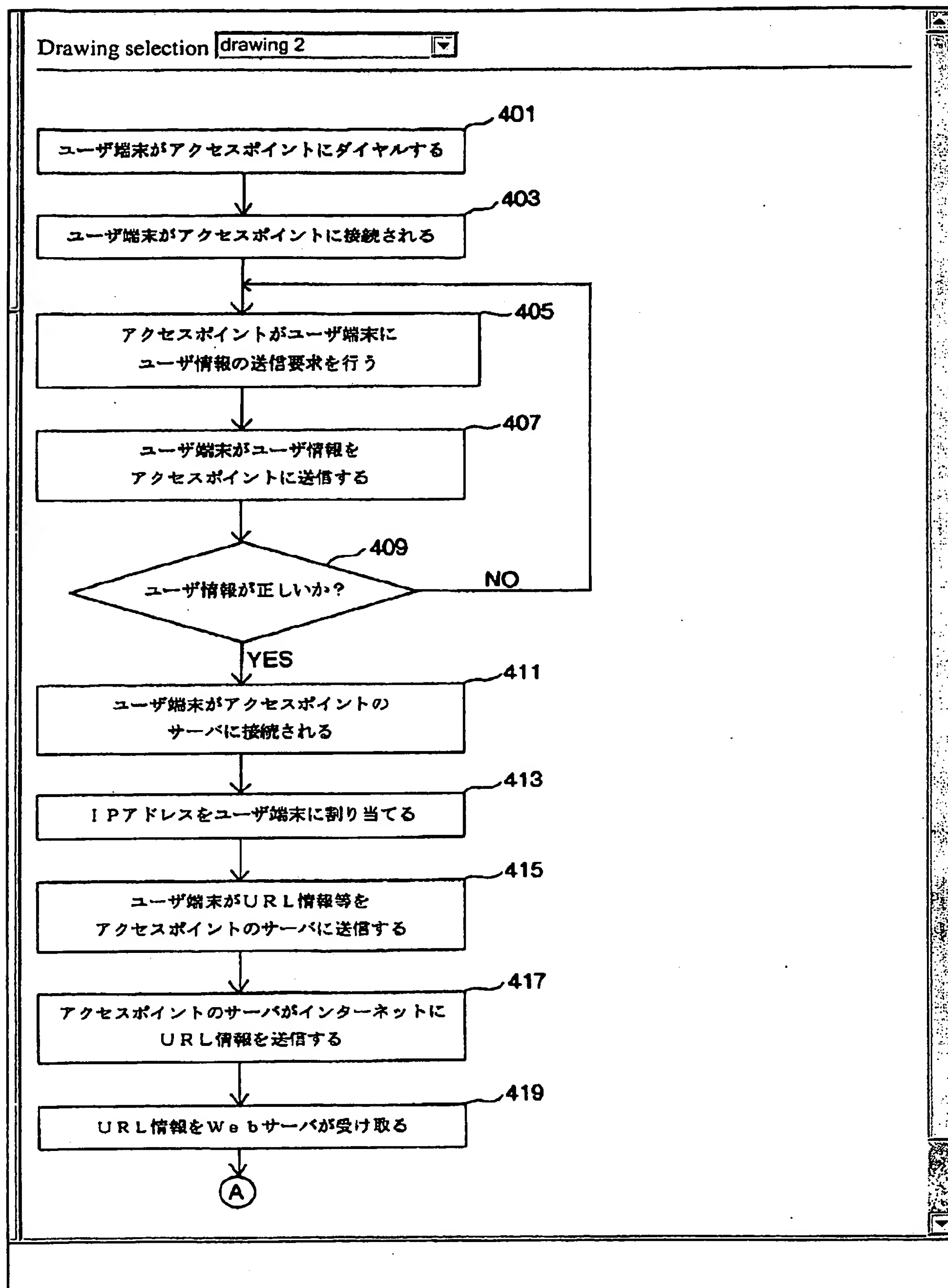
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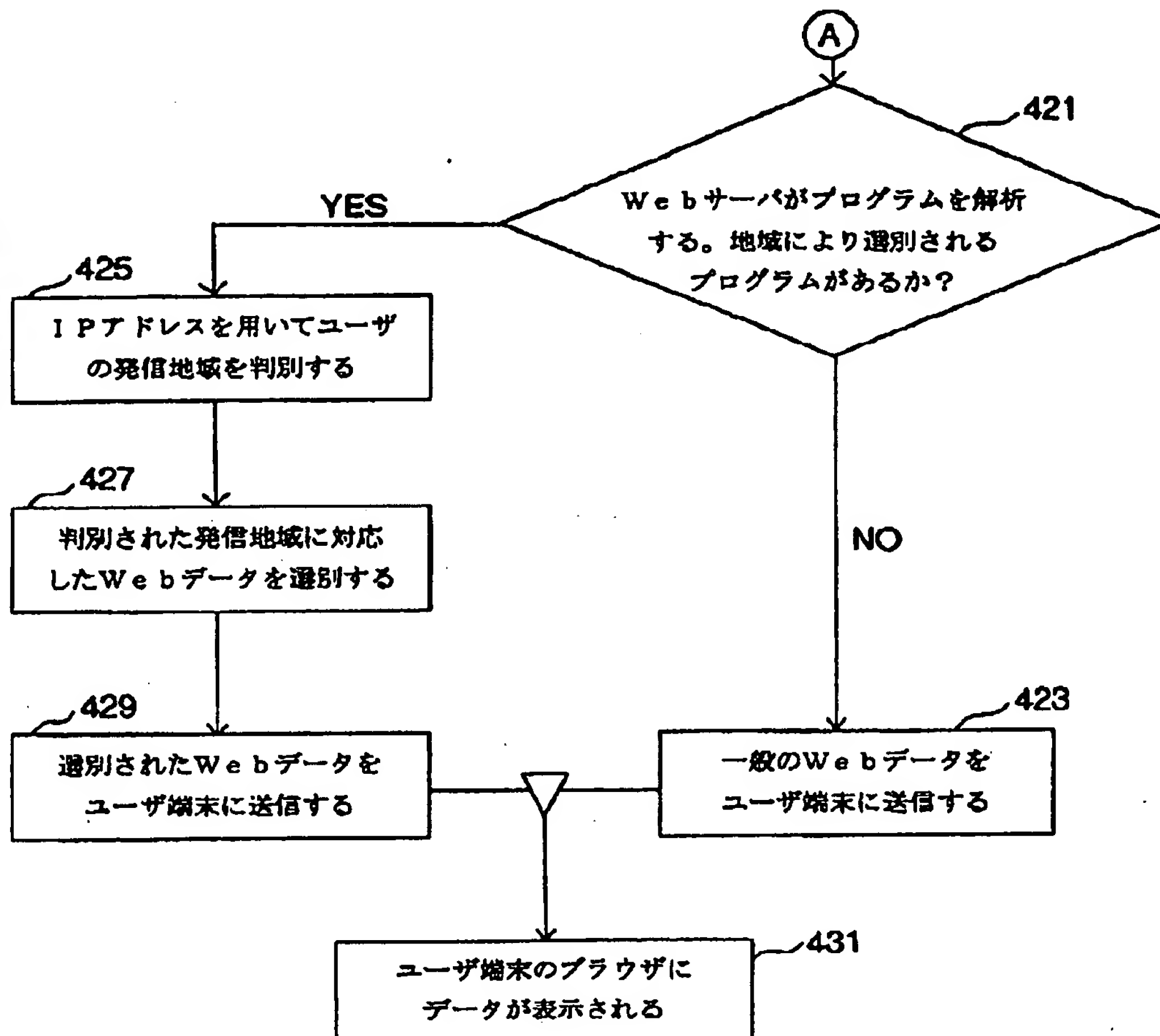
[Date of requesting appeal against examiner's  
decision of rejection] 04.10.2000

[Date of extinction of right]

Drawing selection ☒ drawing 1

[Translation done.]



Drawing selection 

[Translation done.]

Drawing selection  ☐

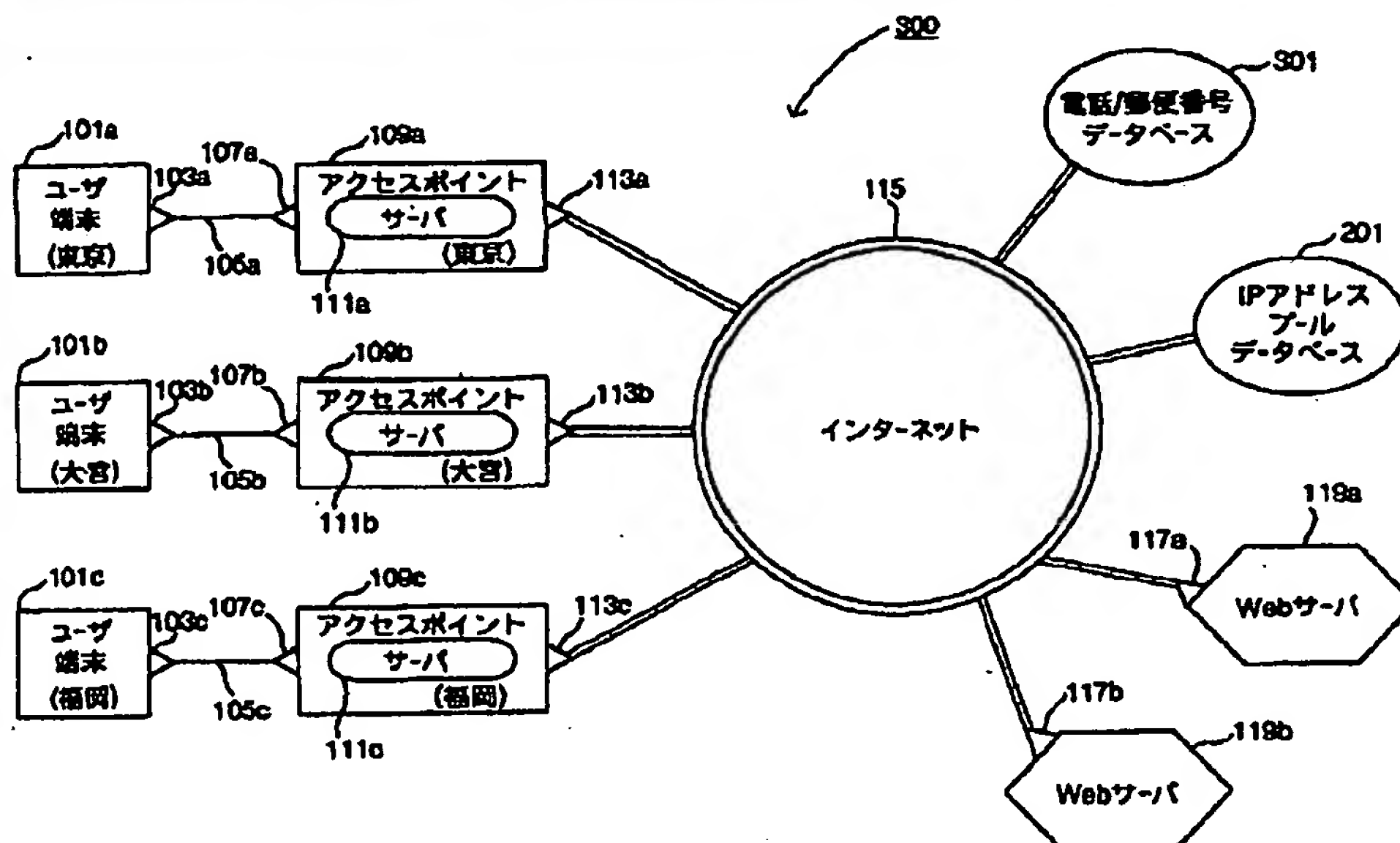
名称	URL
Yahoo!	<a href="http://www.yahoo.com/">http://www.yahoo.com/</a>
Lycos	<a href="http://www.lycos.com/">http://www.lycos.com/</a>
AltaVista	<a href="http://www.altavista.digital.com/">http://www.altavista.digital.com/</a>
Inktomi	<a href="http://inktomi.berkeley.edu/">http://inktomi.berkeley.edu/</a>
Galaxy	<a href="http://galaxy.einet.net/">http://galaxy.einet.net/</a>
Excite Search	<a href="http://www.excite.com/">http://www.excite.com/</a>
The Open Text Index	<a href="http://www.opentext.com/omwff-omw.html">http://www.opentext.com/omwff-omw.html</a>
WebCrawler	<a href="http://webcrawler.com/">http://webcrawler.com/</a>
TITAN	<a href="http://aserv.tas.ntt.co.jp/chisho/titan.html">http://aserv.tas.ntt.co.jp/chisho/titan.html</a>
Nippon Search Engine	<a href="http://www.juno.sfc.keio.ac.jp/NSE-NS/dive/">http://www.juno.sfc.keio.ac.jp/NSE-NS/dive/</a>
Japan Search Engine	<a href="http://www1.nisq.net/~jsengine">http://www1.nisq.net/~jsengine</a>
NTT DIRECTORY	<a href="http://navi.ntt.jp/">http://navi.ntt.jp/</a>
WWW ナビゲーター	<a href="http://home.impress.co.jp/magazine/inetmag/wwwnavi/index.html">http://home.impress.co.jp/magazine/inetmag/wwwnavi/index.html</a>
WAVE Search	<a href="http://www1.sony.co.jp/InfoPlaza/WAVESearch/index.html">http://www1.sony.co.jp/InfoPlaza/WAVESearch/index.html</a>
InfoNavigator	<a href="http://infonavi.infoweb.or.jp/">http://infonavi.infoweb.or.jp/</a>
CSJ インデックス	<a href="http://www.ijnet.or.jp/csj/">http://www.ijnet.or.jp/csj/</a>
千里眼	<a href="http://www.info.waseda.ac.jp/search.html">http://www.info.waseda.ac.jp/search.html</a>
ODIN	<a href="http://kichijiro.c.u-tokyo.ac.jp/odin">http://kichijiro.c.u-tokyo.ac.jp/odin</a>

[Translation done.]

Drawing selection  ☒

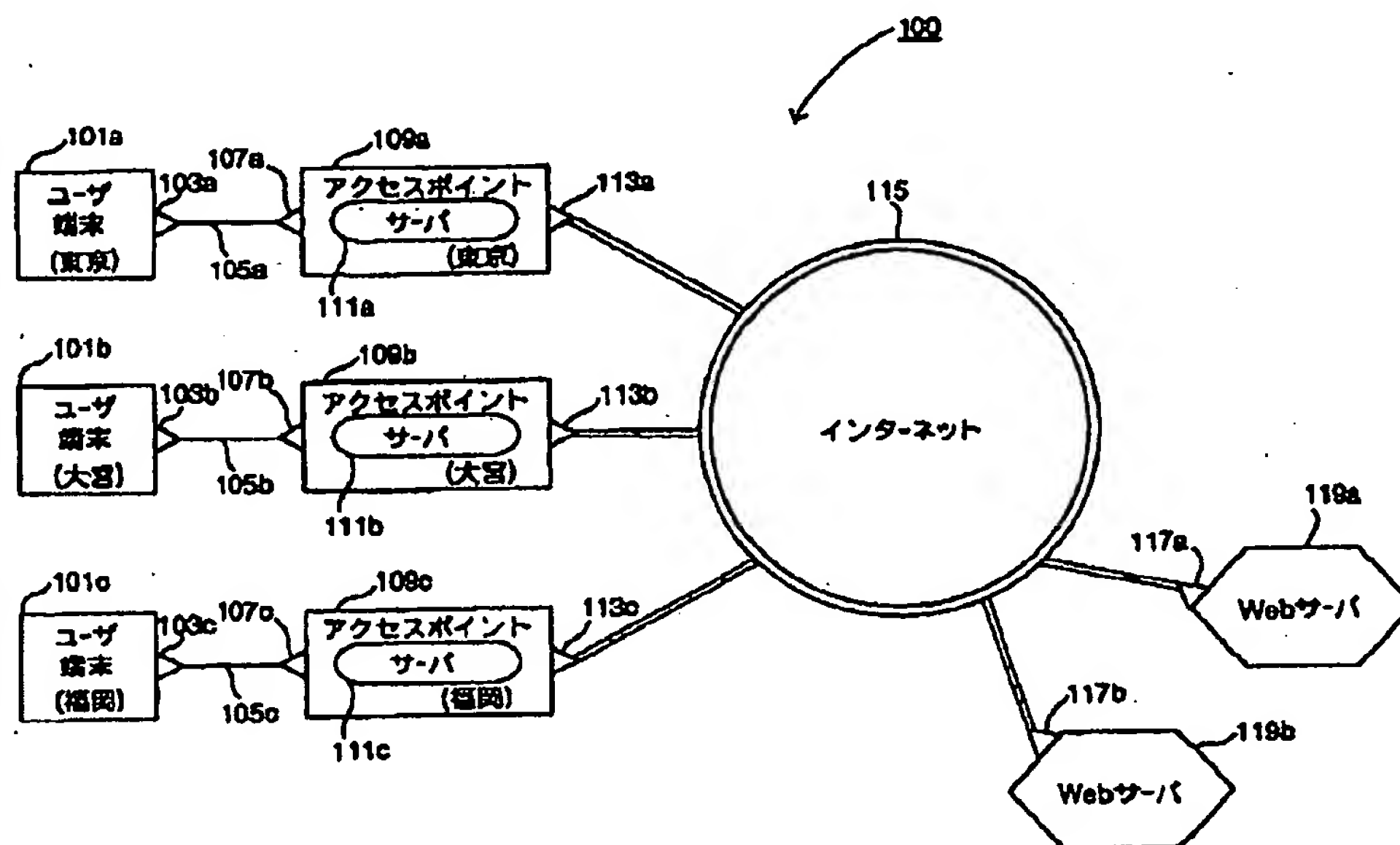
IPアドレス	地域
202.224.33.40	北海道札幌市
⋮	⋮
202.224.36.35	埼玉県大宮市
202.224.36.86	埼玉県大宮市
202.224.36.37	埼玉県川口市
⋮	⋮
202.224.39.37	福岡県福岡市
⋮	⋮

[Translation done.]

Drawing selection 

[Translation done.]



Drawing selection 

[Translation done.]

WEB PAGE READING METHOD AND DEVICE USING THE SAME

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Applicant: CAST KK J  
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H04L12/00; H04Q7/30; G06F13/00; G06F15/16; G06F17/30; G06F19/00;  
H04L12/00; H04Q7/30; (IPC1-7): G06F13/00  
- European:  
Application number: JP19980180815 19980626  
Priority number(s): JP19980180815 19980626

CLAIMS (57) [Claim(s)]

[Claim 1] In the web information offer approach of providing a user terminal with web information through a communication network The IP address of said access point which the access point connected to the user terminal assigned to this user terminal, And the IP address airraid

region database with which the IP address and the area corresponding to an access point corresponded is used. The 1st distinction step which distinguishes the area where the access point which owns the IP address assigned to said user terminal belongs, The web information offer approach characterized by having the 1st selection step which chooses the web information corresponding to this area, and the transmitting step which transmits said selected web information to the user terminal assigned to said IP address based on said distinguished area.

[Claim 2] In the web information offer approach of providing a user terminal with web information through a communication network The telephone number airraid region database with which the telephone number

of the access point which the user terminal accessed and the telephone number, and the area corresponding to an access point corresponded is used. The 2nd distinction step which distinguishes the area where the access point of said telephone number belongs, The web information offer

approach characterized by having the 2nd selection step which chooses the web information corresponding to this area, and the transmitting step which transmits said selected web information to said user terminal

based on said distinguished area.

[Claim 3] The web information offer approach according to claim 1 or 2 characterized by having the 3rd distinction step which distinguishes said user's area, and the 3rd selection step which chooses the web information corresponding to this area based on the area distinguished by said 3rd distinction step using the telephone number and/or the zip code airraid region database with which a user's telephone number and/or

the zip code, the telephone number and/or a zip code, and the area corresponding to an access point corresponded.

[Claim 4] The web information offer approach according to claim 3 characterized by having the Request-to-Send step which carries out the Request to Send of a user's telephone number and/or zip code to said user terminal.

[Claim 5] A user calls to an access point using a user terminal (401). Said user terminal is connected to an access point (403), and said

access point performs the Request to Send of User Information to said user terminal (405). Said user terminal transmits User Information to said access point (407). As for said access point, said transmitted User

Information judges whether it is the right (409). If said User Information is right, said user terminal will be connected to the server

of said access point (411). Said server assigns an IP address to said user terminal (413). Said user terminal transmits a web information acquisition instruction and said assigned IP address to said server (415). Said server transmits said web information acquisition instruction and said IP address to a communication network (417), and minds said communication network. After a web server receives said web information acquisition instruction and said IP address (419), If it distinguishes (421) and there is said local program, whether said web server has the local program sorted out by the area in the program of the web information which said web information operation specifies The IP address airraid region database with which, as for said web server, said IP address, the IP address, and the area corresponded, The area where \*\*\*\*\* and said IP address belong is distinguished (425). Said web server Based on said distinguished area, the web information corresponding to this area is chosen (427). The web information offer approach characterized by what said selected web information is transmitted to said user terminal (423 429), and said selected web information is displayed for on the browser of said user terminal (431).

[Claim 6] In the web information offer equipment which provides a user terminal with web information through a communication network The IP address of said access point which the access point connected to the user terminal assigned to this user terminal, And the IP address airraid

region database with which the IP address and the area corresponding to an access point corresponded is used. The 1st distinction means which distinguishes the area where the access point which owns the IP address assigned to said user terminal belongs, Web information offer equipment characterized by having the 1st selection means which chooses the web information corresponding to this area, and a transmitting means to transmit said selected web information to the user terminal assigned to said IP address, based on said distinguished area.

[Claim 7] In the web information offer equipment which provides a user terminal with web information through a communication network The telephone number airraid region database with which the telephone number

of the access point which the user terminal accessed and the telephone number, and the area corresponding to an access point corresponded is used. The 2nd distinction means which distinguishes the area where the access point of said telephone number belongs, Web information offer equipment characterized by having the 2nd selection means which chooses the web information corresponding to this area, and a transmitting means

to transmit said selected web information to said user terminal, based on said distinguished area.

[Claim 8] Said 1st or 2nd decision means A user's telephone number and/or zip code, The telephone number and/or the zip code airraid region

database with which the telephone number and/or the zip code, and the area corresponding to an access point corresponded, It is web

information offer equipment according to claim 6 or 7 characterized by distinguishing the area of \*\*\*\*\* and said user and said 1st or 2nd selection means choosing the web information corresponding to this area based on said user's area distinguished by said decision means.

[Claim 9] Web information offer equipment according to claim 8 characterized by having the Request-to-Send means which carries out the Request to Send of a user's telephone number and/or zip code to said user terminal.

[Claim 10] The user terminal characterized by displaying the web information corresponding to the area chosen in the user terminal connected to web information offer equipment according to claim 6, 7, 8, or 9 by the 1st or 2nd selection means which said web information offer equipment has.

[Claim 11] The record medium in which reading [ computer / which was memorized as a program for making a computer perform the web information offer approach according to claim 1, 2, 3, or 4 ] is possible.

TECHNICAL FIELD [Field of the Invention] This invention relates to the World Wide Web (WWW: World Wide Web) which is the information disclosure

mechanism used through the network in the world spread around like a cobweb. When a user sends the Request to Send of web (Web) data, it is especially related with the Web page perusal approach and equipment with

which a user transmits the information corresponding to this dispatch area to a user using the information about the area (henceforth a user's dispatch area) which sent this Request to Send.

DETAILED DESCRIPTION [Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the World Wide Web (WWW: World Wide Web) which is the information disclosure mechanism used

through the network in the world spread around like a cobweb. When a user sends the Request to Send of web (Web) data, it is especially related with the Web page perusal approach and equipment with which a user transmits the information corresponding to this dispatch area to a user using the information about the area (henceforth a user's dispatch area) which sent this Request to Send.

[0002]

[Description of the Prior Art] The user who is going to peruse the Web page of WWW can peruse a desired Web page using the software called a computer terminal and a browser. However, in order to peruse a Web page,

in many cases, use of the Internet is indispensable, and the general user has accessed the Internet through the provider who assigns the integer of 32 bits, for example, IP (Internet Protocol) address as shown

in "202.224.36.35", temporarily to this user's computer terminal. Furthermore, a user performs the Request to Send of the Web page data stored in the Web server on the Internet to this Web server, it is that this Web server transmits these Web page data according to this Request to Send, and this user can peruse a Web page on a browser.

[0003] Drawing 7 is drawing showing the conventional Web page perusal

system. The conventional Web page perusal system 100 User terminals 101a-101c, The 1st modem / TA 103a-103c (Terminal Adapter), An analog / digital channels 105a-105c, and the 2nd modem/TAs 107a-107c, Access points 109a-109c and the servers 111a-111c in access point 109a - 109c, It has the 1st gateway 113a-113c, the Internet 115, the 2nd gateway 117a

and 117b, and Web servers 119a-119b, and is constituted.

[0004] Below, actuation of the conventional Web page perusal system 100 is explained. The general user who is going to use the Web page perusal system 100, for example, the user of Tokyo, calls to access point 109a which is in a provider's Tokyo using the program for a communication link called communication software from user-terminal 101a. If user-terminal 101a is connected to access point 109a through the 1st modem /TA103a, an analog / digital channel 105a, and the 2nd modem / TA107a, access point 109a will perform Requests to Send, such as a user's login name and a password, to user-terminal 101a, and user-terminal 101a will transmit the information on a login name, a password, etc. to access point 109a according to this.

[0005] If the login name and password which were transmitted to access point 109a from user-terminal 101a are right and a communication environment setup of user-terminal 101a is available in this access point 109a, 101a is connected to server 111of access point 109a a for a user terminal, and server 111of access point 109a a will choose one IP address from two or more IP addresses to possess, and will assign it to user-terminal 101a. This assignment means that user-terminal 101a gained

one IP address.

[0006] Next, said user analyzes Web data, such as a program described by

HTML (Hyper Text Markup Language) which is the language for describing the file of a hypertext format, when a user uses WWW, the browser which displays and reproduces a text, a still picture, an animation, etc. at a

user terminal is set up so that it can use by the user terminal beforehand, and if it is kana \*\*\*\*\* , there is nothing. A browser is software with the function which can be easily jumped to the file made into the site which has related information on the Internet, or the purpose by performing click actuation using a pointing device on the screen of a user terminal.

[0007] After an IP address is assigned to user-terminal 101a from server

111a, said user inputs or chooses URL (Uniform Resource Locator) which expresses the class and storing location of data at once using a browser. Even if this URL carries out an alphabetic character input with

a keyboard at the input part of a browser, it may choose the part linked

to URL of the request on a Web page by the pointer of a mouse.

[0008] Temporarily, URL of the Web page of which a user expects perusal is set to "HYPERLINK http://www.xxx.co.jp/index.html

http://www.xxx.co.jp/index0.html." In this URL, top "http://" points out

HTTP (Hyper-Text Transfer Protocol) which is a protocol for Web data communication, and then continues with a Web server name "www", a domain

name "xxx.co.jp", and a file name "index0.html." If a user inputs or chooses this URL as a browser, user-terminal 101a will transmit the



Request to Send of the HTML data of the text file "index0.html" which is

a kind of Web data stored in the Web server 119a "www" of a domain "xxx.co.jp", a user's IP address, and the browser information for distinguishing the class of browser which the user is using to server 111of access point 109a a.

[0009] Next, server 111a which received such information turns said Request to Send, said IP address, and said browser information to "www" Web server 119a of a "xxx.co.jp" site, and transmits to the Internet 115. If Web server 119a receives such information, Web server 119a will transmit "index0.html" to user-terminal 101a through the Internet 115 and access point 109a in the example of the specified file and this operation gestalt. Moreover, Web server 119a analyzes the program of a "index0.html" file, and transmits other data currently referred to to user-terminal 101a.

[0010] Thus, the data which "the Web data which user-terminal 101a obtained, i.e., the data of a "index0.html" file, and index0.html" refer

to are analyzed by the browser of user-terminal 101a, and are expressed as an alphabetic character, a still picture, an animation, etc.

Moreover, according to this system, even if it peruses a Web page from which area, the same information is displayed on a user terminal.

Therefore, the above-mentioned conventional Web page perusal system makes small the regional gap in the point of using information.

[0011]

[Problem(s) to be Solved by the Invention] However, local information which is completely unrelated to a user's dispatch area, such as an advertisement and a weather report, has a small effect of advertising to

people outside this dispatch area, and they have the trouble that utility value is low.

[0012] Moreover, as the part which a user inputs URL into the input part

of a browser from a keyboard manually, or is linked to this URL with the

pointer of a mouse was chosen, as for the user, it was indispensable to display [ user ] the information about that area among much Web information to have performed selection actuation about that area once. For this reason, for people unskillful to actuation of being not only troublesome but a user terminal, and a browser, this actuation was difficult and user-unfriendly.

[0013] This invention was made in view of the above-mentioned situation,

and aims at offering the Web page perusal system which can transmit different Web data for every dispatch area of a user also in the same URL.

[0014]

[Means for Solving the Problem] In order to attain the above-mentioned technical problem, invention according to claim 1 In the web information

offer approach of providing a user terminal with web information through

a communication network The IP address of said access point which the access point connected to the user terminal assigned to this user terminal, And the IP address airraid region database with which the IP address and the area corresponding to an access point corresponded is used. The 1st distinction step which distinguishes the area where the

access point which owns the IP address assigned to said user terminal belongs, It is the web information offer approach characterized by having the 1st selection step which chooses the web information corresponding to this area, and the transmitting step which transmits said selected web information to the user terminal assigned to said IP address based on said distinguished area. Moreover, invention according to claim 2 is set through a communication network to the web information

offer approach of providing a user terminal with web information. The 2nd distinction step which distinguishes the area where the access point

of said telephone number belongs using the telephone number airraid region database with which the telephone number and the telephone number, and the area of the access point which the user terminal accessed corresponded, It is the web information offer approach characterized by having the 2nd selection step which chooses the web information corresponding to this area, and the transmitting step which transmits said selected web information to said user terminal based on said distinguished area.

[0015] With the above-mentioned configuration, it becomes possible to peruse the Web information on an area automatically.

[0016] Moreover, invention according to claim 3 is set to the web information offer approach according to claim 1 or 2. The telephone number and/or the zip code airraid region database with which a user's telephone number and/or the zip code, the telephone number and/or a zip code, and the area corresponding to an access point corresponded, It is the web information offer approach characterized by having \*\*\*\*\*, the

3rd distinction step which distinguishes said user's area, and the 3rd selection step which chooses the web information corresponding to this area based on the area distinguished by said 3rd distinction step. Moreover, invention according to claim 4 is the web information offer approach characterized by having the Request-to-Send step which carries out the Request to Send of a user's telephone number and/or zip code to said user terminal in the web information offer approach according to claim 3.

[0017] With the above-mentioned configuration, it becomes possible to peruse the Web information limited to the area still finer than the case

of claims 1 or 2.

[0018] Moreover, a user dials invention according to claim 5 to an access point using a user terminal (401). Said user terminal is connected to an access point (403), and said access point performs the Request to Send of User Information to said user terminal (405). Said user terminal transmits User Information to said access point (407). As for said access point, said transmitted User Information judges whether it is the right (409). If said User Information is right, said user terminal will be connected to the server of said access point (411). Said server assigns an IP address to said user terminal (413). Said user

terminal transmits a web information acquisition instruction and said assigned IP address to said server (415). Said server transmits said web

information acquisition instruction and said IP address to a communication network (417), and minds said communication network.

After

a web server receives said web information acquisition instruction and

said IP address (419), If it distinguishes (421) and there is said local

program, whether said web server has the local program sorted out by the

area in the program of the web information which said web information operation specifies The IP address airraid region database with which, as for said web server, said IP address, the IP address, and the area corresponded, The area where \*\*\*\*\* and said IP address belong is distinguished (425). Said web server Based on said distinguished area, the web information corresponding to this area is chosen (427). It is the web information offer approach characterized by what said selected web information is transmitted to said user terminal (423 429), and said

selected web information is displayed for on the browser of said user terminal (431). [0019] Moreover, invention according to claim 6 is set through a communication network to the web information offer equipment which provides a user terminal with web information. The IP address of said access point which the access point connected to the user terminal assigned to this user terminal, And the IP address airraid region database with which the IP address and the area corresponding to an access point corresponded, \*\*\*\*\* and the 1st distinction means which distinguishes the area where the access point which owns the IP address assigned to said user terminal belongs, It is web information offer equipment characterized by having the 1st selection means which chooses the web information corresponding to this area, and a transmitting means

to transmit said selected web information to the user terminal assigned to said IP address, based on said distinguished area. Moreover, invention according to claim 7 is set through a communication network to

the web information offer equipment which provides a user terminal with web information. The telephone number airraid region database with which

the telephone number of the access point which the user terminal accessed and the telephone number, and the area corresponding to an access point corresponded is used. The 2nd distinction means which distinguishes the area where the access point of said telephone number belongs, It is web information offer equipment characterized by having the 2nd selection means which chooses the web information corresponding to this area, and a transmitting means to transmit said selected web information to said user terminal, based on said distinguished area.

[0020] With the above-mentioned configuration, an area is limited automatically and the thing of this area for which Web information selection is made becomes possible.

[0021] Moreover, invention according to claim 8 is set to web information offer equipment according to claim 6 or 7. Said 1st or 2nd decision means A user's telephone number and/or zip code, The telephone number and/or the zip code airraid region database with which the telephone number and/or the zip code, and the area corresponding to an access point corresponded, It is web information offer equipment characterized by distinguishing the area of \*\*\*\*\* and said user and said 1st or 2nd selection means choosing the web information corresponding to this area based on said user's area distinguished by said decision means. Moreover, invention according to claim 9 is web information offer equipment characterized by having the Request-to-Send means which carries out the Request to Send of a user's telephone number



and/or zip code to said user terminal in web information offer equipment according to claim 8.

[0022] With the above-mentioned configuration, it becomes possible to limit to an area still finer than the case of claims 6 or 7.

[0023] Moreover, invention according to claim 10 is a user terminal characterized by displaying the web information corresponding to the area chosen by the 1st or 2nd selection means which said web information

offer equipment has in the user terminal connected to web information offer equipment according to claim 6, 7, 8, or 9. [0024] Furthermore, invention according to claim 11 is a record medium in which reading [ computer / which was memorized as a program for making a computer perform the web information offer approach according to claim 1, 2, 3, or 4 ] is possible. [0025] With the above-mentioned configuration, it becomes possible to transmit different information for every area to a user terminal.

[0026]

[Embodiment of the Invention] Hereafter, the gestalt of operation of this invention is explained with reference to a drawing. Drawing 1 is drawing showing the Web page perusal system concerning the 1st operation

gestalt of this invention. (However, the same number is given to the same member as a Prior art.) Drawing 2 and drawing 3 are flow charts which show the Web page perusal approach concerning the 1st operation gestalt again. Hereafter, the Web page perusal system of this operation gestalt and the Web page perusal approach using this are explained to a detail using drawing 1 - drawing 3 . The Web page perusal system 200 of this operation gestalt User terminals 101a-101c, and the 1st modem/TAs 103a-103c, The analog / digital channels 105a-105c as a communication network, The 2nd modem / TA 107a-107c, and access points 109a-109c, The servers 111a-111c in access point 109a - 109c, It is what is equipped with the 1st gateway 113a-113c, the Internet 115 as a communication network, the 2nd gateway 117a and 117b, and Web servers 119a-119b as an automatic selection means, and changes. IP address pool database 201 as an IP address airraid region database is constituted in preparation for this Web page perusal system 200.

[0027] Below, actuation of the Web page perusal system 200 of this operation gestalt is explained. The general user who is going to use the

Web page perusal system 200, for example, the user of Tokyo, calls to a provider's access point 109a using the program for a communication link called communication software from user-terminal 101a (step 401).

user-terminal 101a connects with access point 109a through the 1st modem

/TA103a, an analog / digital channel 105a, and the 2nd modem / TA107a -

having (step 403) -- access point 109a performs Requests to Send, such as a user's login name and a password, to user-terminal 101a (step 405),

and user-terminal 101a transmits the information on a login name, a password, etc. to access point 109a according to this (step 407).

[0028] If the login name and password which were transmitted to access point 109a from user-terminal 101a are right and a communication environment setup of user-terminal 101a is available in this access point 109a (step 409), user-terminal 101a is connected to server 111of access point 109a a (step 411), and server 111of access point 109a a

will choose one IP address from two or more IP addresses to possess, and will assign it to user-terminal 101a (step 413). This assignment means that user-terminal 101a gained one IP address as local information.

[0029] Next, when a user uses WWW, said user analyzes the Web data as Web information, such as HTML data, he sets up the browser which displays and reproduces a text, a still picture, an animation, etc. at a user terminal so that it can use by user-terminal 101a beforehand, and if he is kana \*\*\*\*\*, there is. [ no ]

[0030] After an IP address is assigned to user-terminal 101a from server 111a, said user expresses the class and storing location of data at once using a browser, for example, inputs or chooses URL like drawing 4 . Even if this URL carries out an alphabetic character input with a keyboard at the input part of a browser, it may choose the part linked to URL of the request on a Web page with the mouse.

[0031] Temporarily, URL of the Web page of which a user expects perusal is set to "HYPERLINK <http://www.xxx.co.jp/index.html> <http://www.xxx.co.jp/index1.html>." When a user inputs or chooses this URL as a browser, user-terminal 101a The Request to Send of the HTML data of the file "index1.html" which is a kind of Web data stored in the Web server 119a "www" of a domain "xxx.co.jp", A user's IP address and the browser information for distinguishing the class of browser which the user is using are transmitted to server 111of access point 109a a (step 415).

[0032] Next, server 111a which received such information turns said Request to Send, said IP address, and said browser information to "www" Web server 119a of a "xxx.co.jp" site, and transmits to the Internet 115 (step 417).

[0033] such information -- Web server 119a -- receiving (step 419) -- Web server 119a analyzes the program of the "index1.html" file by which the Request to Send was carried out (step 421), and transmits the Web data and other data currently referred to in "index.html" to user-terminal 101a (step 423).

[0034] It is assumed that the description as a local program for choosing automatically the data which change with areas is in the program of the "index1.html" file in which the user did the Request to Send in this operation gestalt at this time. If the description for choosing automatically the data which Web server 119a analyzes the program of a "index1.html" file (step 421), and change with these areas is discovered It is in the site of the inside of the same site, or the exterior. A user's dispatch area is distinguished using the IP address which IP address pool database 201 as shown in drawing 5 to which an IP address and an area change from the database as an example corresponding to one to one, and user-terminal 101a transmitted (step 425).

[0035] After Web server 119a distinguishes a user's dispatch area, Web server 119a sorts out the Web data corresponding to the dispatch area distinguished by IP address pool database 201 (step 427), and, in addition to said step 423, transmits to user-terminal 101a (step 429).

[0036] Thus, Web data, such as data of the "index1.html" file which user-terminal 101a obtained, data of others which "index1.html" refers to, and data corresponding to an area, are analyzed by the browser of

user-terminal 101a, and are displayed by the alphabetic character, a still picture, an animation, etc. (step 431).

[0037] For example, "http://www.xxx.co.jp/" assumes that it is the site which offers the information on a weather report. The program which chooses the information on the weather report of each all prefectures is

described by "index1.html" which is the Main page of this site, and the

Web data of the weather report corresponding to the all prefectures where this dispatch area belongs from a user's dispatch area which the Web server distinguished using IP address pool database are transmitted to a user terminal. For this reason, a user can peruse on a browser the weather report of the all prefectures which belong to this user's dispatch area automatically, if this site is opened.

[0038] As mentioned above, since the information on this area can be perused automatically, without a user choosing the information on an area manually during perusal of a Web page according to this operation gestalt, the time and effort of selection can be saved. Of course, it cannot be overemphasized that what is necessary is for a user to connect

with the access point of areas other than a dispatch area, or just to choose using the same approach as the former using the same approach as the former to peruse the information on areas other than a user's dispatch area.

[0039] With this operation gestalt, the telephone number and the area of

an access point may use the access point pool as a telephone number airraid region database with the database corresponding to one to one for the telephone number of an access point instead of an IP address instead of IP address pool database. This access point may be in whichever of an external site in the same site.

[0040] Next, the 2nd operation gestalt of this invention is explained. Drawing 6 is drawing showing the Web page perusal system concerning this

operation gestalt. The Web page perusal system 300 of this operation gestalt is replaced with IP address pool database 201 which the 1st operation gestalt has, is equipped with the telephone / zip code database 301 as the telephone number and/or a zip code airraid region database, and is constituted. (However, the same number is given to the same member as a Prior art and the 1st operation gestalt.)

[0041] Below, actuation of the Web page perusal system 300 of this operation gestalt is explained. It is assumed that the description for choosing different data for every area automatically is in the program of the "index2.html" file stored in Web server 119a like the 1st operation gestalt. Although Web server 119b distinguishes a user's dispatch area using the IP address and IP address pool database 201 which were transmitted from server 111b as the 1st operation gestalt explained when limitation of the area where said description of a "index2.html" file is still finer than said user's dispatch area is being demanded, Web server 119b asks for disclosure of the information which can limit an area to parts, such as a user's telephone number (or the part) or a zip code of an area, at user-terminal 101b.

[0042] For example, although a user's dispatch area distinguished using IP address pool database 201 was distinguished as it is "Omiya, Saitama", "index2.html" asks user-terminal 101b for Web server 119b so that information, such as a user's telephone number or a zip code, may be transmitted to Web server 119b, when the file division of the

information is being carried out in the area still finer than "Omiya, Saitama." If this information is transmitted to Web server 119b, Web server 119b will limit an area using the telephone / zip code database with which the telephone number, the zip code or the address in the site

of the inside of the same site or the exterior, and an area consist of the database corresponding to one to one, and will transmit the data corresponding to this area to user-terminal 101b through the Internet 115 and access point 109b.

[0043] Therefore, with this operation gestalt, when a user discloses information, such as the telephone number and a zip code, a still finer area can be limited and a user can be provided with the information adapted to the area further subdivided rather than the 1st operation gestalt.

[0044] However, with this operation gestalt, when user-terminal 101b transmits a Request to Send to access point 109b, you may set it as the program for a communication link beforehand so that information, such as

a user's telephone number and a zip code, may be transmitted to coincidence. Moreover, even if it does not use the program for a communication link, you may make it transmit automatically such information beforehand registered into the provider from access point 109b to Web server 119b. Moreover, the telephone number of the user notified to access point 109b from user-terminal 101b b when the user permitted the provider transmission of a up to [ the Internet 115 of this telephone number ] beforehand, using the function in which a user's

telephone number is automatically notified to a connection place in case

a user connects with a connection place may be made to be transmitted to

Web server 119b from access point 109b b automatically. Moreover, when a user transmits information, such as the telephone number and a zip code,

with hand control, the information on the area can also be acquired by transmitting the information on other areas.

[0045]

[Effect of the Invention] As mentioned above, according to the web information offer approach of this invention, and web information offer equipment An area is distinguished using the telephone number of an access point and the telephone number airraid region database which the IP address and IP address airraid region database which the access point

assigned to the user terminal, or the user terminal accessed. Based on the distinguished area, the web information corresponding to this area is chosen, and since the web information which changes with areas is transmitted to a user terminal, web information which is different for every oscillation area of a user also in the same URL can be transmitted.

[Brief Description of the Drawings]

[Drawing 1] It is drawing showing the Web page perusal system concerning

the 1st operation gestalt of this invention.

[Drawing 2] It is the flow chart which shows the Web page perusal approach concerning the 1st operation gestalt.

[Drawing 3] It is the flow chart which shows the Web page perusal



approach concerning the 1st operation gestalt.

[Drawing 4] It is drawing showing the example of URL.

[Drawing 5] It is drawing showing the example of IP address pool database in the Web page perusal system of this invention.

[Drawing 6] It is drawing showing the Web page perusal system concerning

the 2nd operation gestalt of this invention.

[Drawing 7] It is drawing showing the conventional Web page perusal system.

[Description of Notations]

101a-101c User terminal

103a-103c The 1st modem

105a-105c An analog/digital channel

107a-107c The 2nd modem

109a-109c Access point

111a-111c Server

113a-113c The 1st gateway

115 Internet

117a, 117b The 2nd gateway

119a, 119b Web server

201 IP Address Pool Database

301 Telephone / Zip Code Database